Amendments to the Specification:

The words : « spiral » and « spirals » in paragraphs [0057] , [0058] , [0061] , [0063] are not correct they are replaced by : « turn » and : « turns », and « (TU) » is added immediately after the words : « turn » and : « turns » to refer to the drawings.

The word : « stress » in paragraphs [0059] , [0061] , [0072] , [0085] , is not correct it is replaced by : « strain ».

In paragraph [0055] « (G) » is added immediately after the word : « Grooves » to refer to the drawings.

The word : « ring » in paragraph [0061] is not correct it is replaced by « spring ».

The paragraph [0085] is now illustrated by a new figure 4, « (5p) » is added immediately after : «...are replaced by stress gauge variable resistors » and « (SH) » is added immediately after : « shims » to refer to drawing.

Please replace paragraph [0051] with the following amended paragraph:

[0051] ~~Finger~~ Figure 4 represents a variant of the handling bar by a ~~cross-sectional~~ view of a fraction of the handling bar, an interior transparent view from T to T' ~~it~~ .

Please replace paragraph [0055] with the following amended paragraph:

[0055] Grooves (G) between the variable resistors (3) are made on the circumference of the tube (2).

As shown on figure 1 previously filed on PCT FR 2003/001230 (april 17 2003) The spring (4) is arranged in a way that its turns are appreciably perpendicular with regard to the flexible handling bar (1)

Please replace paragraph [0057] with the following amended paragraph:
[0057] A metal spring (4) 1095 millimetres long, with an external diameter of 45 millimetres and a wire diameter of 4 millimetres, the ~~spirals~~ turns (TU) of which are spaced 10 mm from each other, is placed inside the tube (2). The spring (4) is arranged in a way that its turns (TU) are appreciably perpendicular with regard to the flexible handling bar (1).

Please replace paragraph [0058] with the following amended paragraph:

[0058] The last ~~spiral~~ turn (TU) of each end of the spring (4) closes on itself in such a way that the wire of the spring (4) ends with two parallel circles.

Please replace paragraph [0059] with the following amended paragraph:

[0059] Twelve bending sensor ~~stress~~ strain gauge variable resistors (5) are distributed in three groups of four inside the spring (4).

Please replace paragraph [0061] with the following amended paragraph:

[0061] The four bending sensor ~~stress~~ strain gauge variable resistors (5) of each group are distributed evenly on the crown of the ~~ring~~ spring (4) on the inside between two ~~spirals~~ turns (TU) and attached to these ~~spirals~~ turns (TU) in such a way that the resistance value of at least one of these resistors (5) is modified when two respective parts of these two ~~spirals~~ turns (TU) move apart from each other whatever the orientation of the bending applied to the handling bar (1).

Please replace paragraph [0063] with the following amended paragraph:

[0063] Fine holes or fine notches may be made on the ~~spirals~~ turns (TU) of the spring (4) to facilitate the attachment of these bending sensors (5) to the ~~spirals~~ turns (TU) of the spring (4) and avoid rubbing of these bending sensors (5) against the inside of the tube (2).

Please replace paragraph [0072] with the following amended paragraph:

[0072] These strips (CS) are tautened and attached to the support (9) in such a way that when they are subjected to an upward bending stress, i.e. towards the handling bar (1), or a downward bending stress, the resistance value of at least one bending sensor ~~stress~~ strain gauge variable resistor (10) is modified.

As shown on figure 3 previously filed on PCT FR 2003/001230 (april 17 2003) the strain gauge variable resistor (10) is connected by an extremity to a point of a control srip (CS) and by the other extremiy to a point of the support (9).

Please replace paragraph [0073] with the following amended paragraph:

[0073] These variable resistors (10) are each attached on one side to the support (9) and on the other side to a strip (CS). These variable resistors (10) are each connected by an extremity to a point of a control srip (CS) and by the other extremiy to a point of the support (9).

Please replace paragraph [0085] with the following amended paragraph:

[0085] According to an ~~unillustrated~~ illustrated variant in figure 4, the bending sensor ~~stress~~ strain gauge variable resistors (5) installed between two ~~spirals~~ turns (TU) of the spring (4) are replaced by stress gauge variable resistors (5p) sensing the surface pressure, glued on shims (SH) attached to one of the two ~~spirals~~ turns (TU), the resistance value of which is modified when a part of the other ~~spiral~~ turn (TU) presses against it.